

Datasheet CLU Z-Wave

CLU-200-E-00

The Common Logic Unit (CLU) module for DIN rail assembly, with Z-Wave wireless communication controller, executes the function of processing logic and store the configuration. The CLU constitutes the basis for every system. The CLU module also ensures communication with IOM modules via a local busbar. It expands the communication means of the GRENTON system with a wireless network.



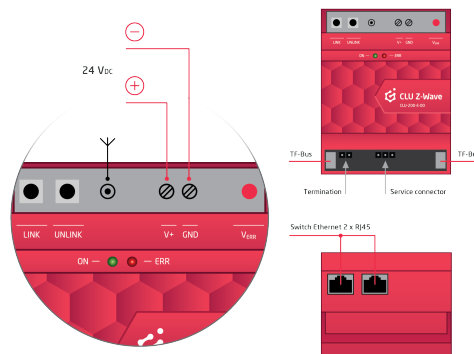
1. Parameters - CLU

Characteristics:	
Uptime	Time of device operation since last reset (in seconds)
Log	Internal device log
State	Device state
IsLocalPower	Power state
Date	Returns the current date
Time	Returns the current time (hh:mm:dd)
Day	Returns the number of the current day of the month
Month	Returns the current number of the month
Year	Returns the current number of the year
DayOfWeek	Returns the current day of the week (0=Sunday)
Hour	Returns the current hour (no minutes or seconds)
Minute	Returns the current number of minutes from last full hour
Unix Time	Returns the current Unix time
FirmwareVersion	CLU firmware version
UseCloud	Specifies whether CLU connects to the cloud
cloudConnection	Specifies whether CLU is connected to the cloud
Methods:	
AddToLog	Adds a new entry to the internal log
ClearLog	Deletes the contents of the internal device log
SetDateTime	Sets date and time
StartZWaveDiscovery	Initiates Z-Wave module discovery mode
StopZWaveDiscovery	Stops Z-Wave module discovery mode
Events:	
OnInit	Event occurring once during device initialization

2. Technical data

Device power supply	24 V _{dc}
Maximum power consumption	2,4 W
Maximum device current	100 mA (for 24 V _{dc})
TF-bus power supply	24 V _{dc} with current limitation to 1 A
Z-Wave frequency	868 MHz
Maximal radio power	1 mW
Maximal wire cross section	2,5 mm ²
Weight	145 g
Size [DIN]	4
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	58/71/90 mm
Operating temperature range	0 to +45 °C

3. Wiring diagram



LINK	button - add Z-Wave devices
UNLINK	button - remove Z-Wave devices
V+	power supply signal
GND	power supply ground signal
Verr	red diode - low voltage of power supply
ON	green diode - on
ERR	red diode - error
Termination	termination connector
TF-Bus	TF-Bus connector

4. Warnings and cautionary statements



ATTENTION !

- Before proceeding with the assembly, read the installation schematics and full instructions available at www.grenton.com. Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable



DANGER !

- Danger to life caused by electric current!
- The components of the installation (individual devices) are designed to work in a home electrical installation or directly in its

vicinity. The manufacturer of the device, Grenton Sp. z o.o. does not bear any responsibility for the damage (property and non-property related) resulting from the assembly and / or use of the equipment not in accordance with the instructions and / or due diligence in handling the equipment (device).

- Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, described in particular in the "Technical data" section.
- The product is not intended for children and animals.
- If you have technical questions or comments about the device operation, contact Grenton Technical Support.
- Answers to frequently asked questions can be found at: www.support.grenton.pl

vicinity. Incorrect connection or use may cause a fire or electric shock.

- All work related to the installation of the device, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences.
- When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

5. CE marking

The manufacturer declares that the device is in full compliance with the requirements of EU legislation that includes the directives of a new approach appropriate for this equipment. In particular, Grenton Sp. z o.o. declares that the device fulfills the requirements on safety, specified by law, and that it conforms to

the national regulations that implement the appropriate directives: The Directive on the electromagnetic compatibility (EMC - 2014/30/UE) and the Directive on the limitation of the use of specific substances in electrical and electronic equipment (RoHS II - 2011/65/UE).



6. Warranty

Warranty available at: www.grenton.com/warranty

7. Manufacturer contact details

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